

Claim 23. (original) A method as recited in claim 1, further comprising displaying at least one portion of the matrix.

Claim 24. (original) A method as recited in claim 1, further comprising monitoring at least one portion of the matrix.

Claim 25. (original) A method of claim 1, wherein the matrix is structured such that elements of a row are different from elements of a column.

Claim 26. (original) A method of claim 25, wherein at a least a portion of the connections form a star network.

Claim 27. (original) A method of claim 1, wherein the matrix is structured such that elements on a the row are identical to elements on a column.

Claim 28. (original) A method of claim 27, wherein at a least a portion of the connections form a mesh network.

Claim 29. (original) A method as recited in claim 2, wherein at least another element is a second catalog of sub-elements and the method further comprises the step of forming a sub-matrix of said one element with said another element.

*Amended  
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Claim ~~30~~<sup>30</sup>. (original) A method as recited in claim 1, further comprising employing a wizard to form at least a subset of the elements.

Claim 31. (original) A method as recited in claim 1, further comprising initializing all connections to a connected state.

Claim 32. (original) A method as recited in claim 1, further comprising employing a wizard to determine which connections to be brought to a connected state.

Claim 33. (original) A method as recited in claim 1, further comprising initializing all connections to a non-connected state.

Claim 34. (original) A method as recited in claim 1, further comprising choosing at least one pair upon which a manipulation is performed.

Claim 45. (original) A method as recited in claim 1, wherein a least one element of a particular pair is a sub-catalog, the method further comprising expanding elements of the pair into a sub-matrix.

Claims 46 to 87. (withdrawn)

Claim 91. (previously presented) A method for representing on a display a connection representation, the method comprising:

- forming at least one catalog of data elements;
- creating a matrix of catalog elements for the data elements of
- 5 at least one of said at least one data catalog;
- forming a connection representation between pairs of elements in each said at least one data catalog;
- instantiating connections in the connection representation; and
- employing the matrix in a network action.

Claim 92. (previously presented) A method as recited in claim ~~88~~<sup>91</sup>, wherein the network action includes an action taken from a group of actions including monitoring, problem determination, tuning and modeling.

Claim 93. (previously presented) A method as recited in claim ~~88~~<sup>91</sup>, wherein at least one catalog of is a catalog of elements considered for interconnection by themselves.

Claim 94. (previously presented) A method as recited in claim ~~88~~<sup>91</sup>, further comprising manipulating catalog elements to create at least one new catalog from a union of existing catalogs.

Claim 95. (previously presented) A method as recited in claim ~~88~~<sup>91</sup>, further comprising employing an operation taken from a group of operations consisting of: typing, ordering, adding, moving and deleting to and from one or more catalogs.

Claim 96. (previously presented) A method as recited in claim 92, wherein the operation of typing is a catalog class taken from a group of classes consisting of: Endpoint catalog; Tunnel catalog; Encryption methods catalog; Validity catalog; Action catalog; and

5 Traffic Loading catalog.

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